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DIALOG(R)File 351:Derwent WPI

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011480707 **Image available**

WPI Acc No: 1997-458612/ 199743

Weighing and labelling method for product packages being fed to electronic weigher - connecting to evaluation circuit containing computer, having package on weigher, further conveying during weighing at speed smaller than feed or discharge speed

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Number of Countries: 025 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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DE 19609431	A1	19970918	DE 1009431	A	19960311	199743 B
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ZA 9707106	A	19980527	ZA 977106	A	19970808	199827 N
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WO 9908079	A1	19990218	WO 97DE1684	A	19970808	199914 N
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AU 9741105	A	19990301	AU 9741105	A	19970808	199928 N
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WO 97DE1684	A	19970808				
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EP 931246	A1	19990728	EP 97938751	A	19970808	199934 N
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WO 97DE1684	A	19970808				
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US 6080937	A	20000627	WO 97DE1684	A	19970808	200038 N
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US 98117885	A	19981007				
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EP 931246	B1	20011121	EP 97938751	A	19970808	200176 N
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WO 97DE1684	A	19970808				
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DE 59706071	G	20020221	DE 506071	A	19970808	200221 N
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EP 97938751	A	19970808				
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WO 97DE1684	A	19970808				
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DE 19609431	C2	20020814	DE 1009431	A	19960311	200255
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Priority Applications (No Type Date): DE 1009431 A 19960311; ZA 977106 A 19970808; WO 97DE1684 A 19970808; AU 9741105 A 19970808; EP 97938751 A 19970808; US 98117885 A 19981007; DE 506071 A 19970808

Abstract (Basic): DE 19609431 A

The method includes the conveying of each package to an electronic weighing unit (1). The package on the weighing unit is further conveyed, during the weighing operation, with a smaller speed than the supply speed and the discharge speed. The label is applied by the labelling unit (6) with printer (6.1) after the weighing operation on the weighing unit itself.

Disturbances of the weighing unit due to shaking by the labelling are eliminated by using a sufficiently large carrier mass between the weighing unit and the package, and by using a low pass filter in the evaluation circuit.

ADVANTAGE - Compact and cost effective. Low cost engineering.

Weighing is carried out with required accuracy at speed.

Dwg. 1/3